Yunqing Xuan

List of Publications by Year
in descending order

30 papers	1,063 citations	687363 13 h-index	526287 27 g-index
39 all docs	39 docs citations	39 times ranked	1588 citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial variation of catchment-oriented extreme rainfall in England and Wales. Atmospheric Research, 2022, 266, 105968.	4.1	4
2	A satellite-based approach to estimating spatially distributed groundwater recharge rates in a tropical wet sedimentary region despite cloudy conditions. Journal of Hydrology, 2022, 607, 127503.	5.4	2
3	A Flood Risk Framework Capturing the Seasonality of and Dependence Between Rainfall and Sea Levelsâ€"An Application to Ho Chi Minh City, Vietnam. Water Resources Research, 2022, 58, .	4.2	9
4	Regional-scale evaluation of 14 satellite-based precipitation products in characterising extreme events and delineating rainfall thresholds for flood hazards. Atmospheric Research, 2022, 276, 106259.	4.1	15
5	An improved rainfall-threshold approach for robust prediction and warning of flood and flash flood hazards. Natural Hazards, 2021, 105, 2409-2429.	3.4	17
6	Impacts of urbanization on precipitation patterns in the greater Beijingâ€"Tianjinâ€"Hebei metropolitan region in northern China. Environmental Research Letters, 2021, 16, 014042.	5.2	13
7	Spatial Variation of Extreme Rainfall Observed From Two Centuryâ€Long Datasets. Geophysical Research Letters, 2021, 48, e2020GL091933.	4.0	4
8	Modelling Fertilizer Use in Relation to Farmersâ€™ Household Characteristics in Three Gorges Reservoir Area, China. Agriculture (Switzerland), 2021, 11, 472.	3.1	10
9	SRS-GDA: A spatial random sampling toolbox for grid-based hydro-climatic data analysis in environmental change studies. Environmental Modelling and Software, 2020, 124, 104598.	4.5	5
10	The performance of the IMERG satellite-based product in identifying sub-daily rainfall events and their properties. Journal of Hydrology, 2020, 589, 125128.	5.4	50
11	Impact of Precipitation Pre-Processing Methods on Hydrological Model Performance using High-Resolution Gridded Dataset. Water (Switzerland), 2020, 12, 840.	2.7	10
12	Quantile Regression Based Methods for Investigating Rainfall Trends Associated with Flooding and Drought Conditions. Water Resources Management, 2019, 33, 4249-4264.	3.9	14
13	Development of a New Quantile-Based Method for the Assessment of Regional Water Resources in a Highly-Regulated River Basin. Water Resources Management, 2019, 33, 3187-3210.	3.9	11
14	Grid box-level evaluation of IMERG over Brazil at various space and time scales. Atmospheric Research, 2019, 218, 231-244.	4.1	59
15	What Large Sample Size Is Sufficient for Hydrologic Frequency Analysis?â€"A Rational Argument for a 30-Year Hydrologic Sample Size in Water Resources Management. Water (Switzerland), 2018, 10, 430.	2.7	16
16	Coupled hydro-meteorological modelling on a HPC platform for high-resolution extreme weather impact study. Hydrology and Earth System Sciences, 2016, 20, 4707-4715.	4.9	2
17	Global sensitivity analysis in hydrological modeling: Review of concepts, methods, theoretical framework, and applications. Journal of Hydrology, 2015, 523, 739-757.	5.4	386
18	Hydrological appraisal of operational weather radar rainfall estimates in the context of different modelling structures. Hydrology and Earth System Sciences, 2014, 18, 257-272.	4.9	19

#	Article	IF	Citations
19	Rapid urbanization and changes in spatiotemporal characteristics of precipitation in Beijing metropolitan area. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,250.	3.3	104
20	Precipitation forecasts for rainfall runoff predictions. A case study in poorly gauged Ribb and Gumara catchments, upper Blue Nile, Ethiopia. Physics and Chemistry of the Earth, 2013, 61-62, 43-51.	2.9	8
21	Simulating the Impact of Climate Change on Runoff in a Typical River Catchment of the Loess Plateau, China. Journal of Hydrometeorology, 2013, 14, 1553-1561.	1.9	40
22	An effective depression filling algorithm for DEM-based 2-D surface flow modelling. Hydrology and Earth System Sciences, 2013, 17, 495-505.	4.9	25
23	Analysis and simulation of the influencing factors on regional water use based on information entropy. Water Policy, 2012, 14, 1033-1046.	1.5	6
24	Future hydrology and climate in the River Nile basin: a review. Hydrological Sciences Journal, 2011, 56, 199-211.	2.6	98
25	Rainfall uncertainty for extreme events in NWP downscaling model. Hydrological Processes, 2011, 25, 1397-1406.	2.6	14
26	Uncertainty analysis of hydrological ensemble forecasts in a distributed model utilising short-range rainfall prediction. Hydrology and Earth System Sciences, 2009, 13, 293-303.	4.9	65
27	Uncertainty Propagation in Ensemble Rainfall Prediction Systems used for Operational Real-Time Flood Forecasting. Water Science and Technology Library, 2009, , 437-447.	0.3	1
28	Spatio-temporal assessment of meteorological drought under the influence of varying record length: the case of Upper Blue Nile Basin, Ethiopia. Hydrological Sciences Journal, 0, , 1-16.	2.6	39
29	Improving River Flow Simulation Using a Coupled Surface-Groundwater Model for Integrated Water Resources Management. , 0, , .		15
30	Parameter Selection for Phase Space Reconstruction in Hydrological Series and Rationality Analysis of its Chaotic Characteristics. , 0, , .		1